

Notice of Allowability

Application No.

10/623,058

Examiner

Joni Hsu

Applicant(s)

SLOTT ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to papers received November 28, 2005.
2. ☒ The allowed claim(s) is/are 8-10,23,36 and 37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 11/15/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed November 15, 2005 fails to comply with 37 CFR 1.97(d) because it lacks a statement as specified in 37 CFR 1.97(e). It has been placed in the application file, but the information referred to therein has not been considered.

Response to Amendment

2. Applicant's arguments, see pages 16-17, filed November 28, 2005, with respect to Claims 8, 9, 10, 23, 36, and 37 have been fully considered and are persuasive. The rejections under 35 U.S.C. 103(a) of Claims 8, 9, 10, 23, 36, and 37 has been withdrawn.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

4. The application has been amended as follows:

Claims 1-3, 11-20, 24-31, 38-44, and 46 are cancelled.

Allowable Subject Matter

5. Claims 8, 9, 10, 23, 36, and 37 are allowed

The following is an examiner's statement of reasons for allowance:

6. The prior art taken singly or in combination do not teach or suggest the method of Claim 7, wherein the adding the set of character images includes determining if there is enough room in the cache on the display computer for the set of character images; removing cache entries until there is enough room in the cache, if there is not enough room in the cache on the display computer for the set of character images; sending a request to the display computer to create one or more new cache entries for the set of character images; and adding the set of character images to the list of sets of character images currently cached on the display computer, as recited in Claims 8, 23, and 36. Claims 9, 10, and 37 depend from these claims, and therefore also contain allowable subject matter.

7. The closest prior art (Celi) teaches that adding video data includes determining if there is enough room in the cache (211D, Figure 2) on the display computer for the video data (Col. 7, lines 46-49); removing cache entries until there is enough room in the cache, if there is not enough room in the cache on the display computer for the video data (Col. 9, lines 8-23, 33-40); sending a request to the display computer to create one or more new cache entries for the video data; and adding the video data to the list of video data currently cached on the display computer (Col. 7, lines 46-64). However, Celi does not teach compressing sub-images.

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8. Another prior art (Johns) teaches a list of cache entries (Col. 10, lines 5-34). A driver controls which sections are added to the list and which memory sections are reclaimed for re-use or removed from the list (Col. 11, lines 6-14). The list is in the virtual frame buffer controller (500, Figure 5; Col. 10, lines 5-21), which is considered to be a part of the host computer (308, Figure 3; Col. 7, lines 36-38). After removing one or more cache entries from the list, the host computer inherently sends one or more requests to reclaim physical memory or remove the cache entries (Col. 8, lines 18-25; Col. 11, lines 6-14). Therefore, Johns describes that the removing cache entries includes removing one or more cache entries from the list of cache entries on the host computer; and sending one or more requests to remove the cache entries, as recited in Claim 10. However, Johns does not teach that the method comprises recording a text command executed to create a portion of the graphics image and that the text command is used to update a data structure with information.

9. Another prior art (Epard) teaches that the drawing and processing (55, Figure 5A) are done on the host computer (50) and the information is sent to the display computer (60) (Col. 48, lines 28-40), as recited in Claim 10. However, Epard does not teach that the method comprises recording a text command executed to create a portion of the graphics image and that the text command is used to update a data structure with information.

10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art of Record

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Celi (US005757386A) teaches deallocating previously allocated VRAM resources in order to increase the amount of available VRAM resources (Col. 4, lines 45-48).
2. Johns (US006366289B1) teaches a display controller and method for managing memory accesses to image stored in partially compressed form (Col. 2, lines 53-55).
3. Epard (US005241625A) teaches remotely sharing information among computers on which such information is presented as images on monitor screens (Col. 2, lines 48-50).


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joni Hsu whose telephone number is 571-272-7785. The examiner can normally be reached on M-F 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ulka Chauhan can be reached on 571-272-7782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JH



Kee M. Tung
Primary Examiner